Practical-6

Part – 6 (ListView)

Code:

```dart
import 'package:flutter/material.dart';

void main() {
  runApp(const ListViewApp());
}

class ListViewApp extends StatelessWidget {
  const ListViewApp({Key? key}) : super(key: key);

  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      title: 'Practical for ListView with Separator',
      theme: ThemeData(
```

```dart
        primarySwatch: Colors.blue,
      ),
      color: Colors.greenAccent,
      debugShowCheckedModeBanner: false,
      home: const ListViewScreen(),
    );
  }
}


class ListViewScreen extends StatelessWidget {
  const ListViewScreen({Key? key}) : super(key: key);

  @override
  Widget build(BuildContext context) {
    // List of items (with leading, title, subtitle, trailing)
    final List<Map<String, dynamic>> items = [
      {
        'leading': Icons.person,
        'title': 'Item1',
        'subtitle': 'MyDesc',
        'trailing': Icons.add,
      },
      {
        'leading': Icons.person,
        'title': 'Item2',
        'subtitle': 'MyDesc',
        'trailing': Icons.add,
      },
      {
        'leading': Icons.person,
        'title': 'Item3',
```

```dart
      'subtitle': 'MyDesc',

      'trailing': Icons.add,

    },

    {

      'leading': Icons.person,

      'title': 'Item4',

      'subtitle': 'MyDesc',

      'trailing': Icons.add,

    },

    {

      'leading': Icons.person,

      'title': 'Item5',

      'subtitle': 'MyDesc',

      'trailing': Icons.add,

    },

    {

      'leading': Icons.person,

      'title': 'Item6',

      'subtitle': 'MyDesc',

      'trailing': Icons.add,

    },

  ];


  return Scaffold(

    appBar: AppBar(

      title: const Text('Practical for ListView with Separator'),

      backgroundColor: Colors.greenAccent,

    ),

    body: ListView.separated(

      itemCount: items.length,

      itemBuilder: (context, index) {
```
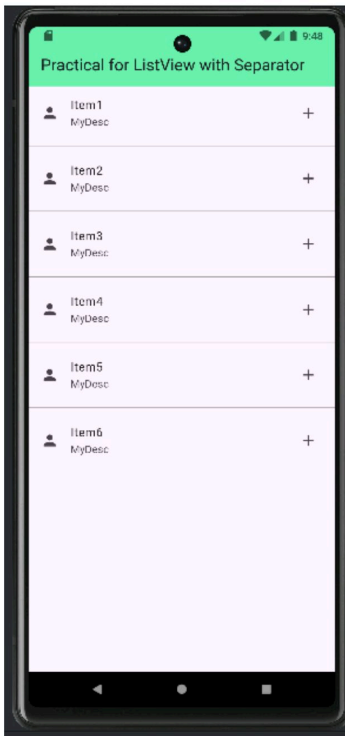
```dart
      return ListTile(
        leading: Icon(items[index]['leading']),
        title: Text(items[index]['title']),
        subtitle: Text(items[index]['subtitle']),
        trailing: Icon(items[index]['trailing']),
        onTap: () {
          // Handle item tap if needed
          print('Clicked and Tapped on ${items[index]['title']}');
        },
      );
    },
    separatorBuilder: (context, index) {
      return const Divider(
        color: Colors.grey,
        thickness: 1.0,
      );
    },
  ),
);
}
}
```

Practical-7

Part – 7 (Grid Layout)

Code:

import 'package:flutter/material.dart';

void main() {

  runApp(const LayoutApp());

}

class LayoutApp extends StatelessWidget {

  const LayoutApp({Key? key}) : super(key: key);

  @override

  Widget build(BuildContext context) {

    return MaterialApp(

      title: 'Custom Layout',